

INTERNATIONAL SEARCH REPORT

PCT/EP2004/010882

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C07D493/04 A61K31/34

According to International Patent Classification (IPC) or to both national classification and IPC
 B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
 EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/20420 A1 (LACER, S.A; REPOLLES MOLINER, JOSE; PUBILL COY, FRANCISCO; CABEZA LLOR) 13 April 2000 (2000-04-13) cited in the application the whole document	1-39
Y	LUCCHI DE O ET AL: "CHEMOSELECTIVE REDUCTION OF ISOSORBIDE-2,5-DINITRATE" GAZZETTA CHIMICA ITALIANA, SOCIETA CHIMICA ITALIANA, ROME, IT, vol. 117, no. 3, March 1987 (1987-03), pages 173-176, XP000984806 ISSN: 0016-5603 compounds 5C,6C	1-39

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the International search

25 January 2005

Date of mailing of the International search report

03/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Klein, D

INTERNATIONAL SEARCH REPORT

PCT/EP2004/010882

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	NALLET, JEAN PIERRE ET AL: "Synthesis of a series of hexitol and aminodeoxy-hexitol mono-nitrate derivatives containing a sulfur group and pharmacological evaluation of isolated rat aortas" EUROPEAN JOURNAL OF ORGANIC CHEMISTRY , (5), 933-943 CODEN: EJOCFK; ISSN: 1434-193X, 1998, XP001204497 the whole document -----	1-39
Y	EP 0 530 887 A1 (LABORATOIRES HOECHST S.A) 10 March 1993 (1993-03-10) the whole document -----	1-39
Y	EP 0 290 885 A2 (CHIESI FARMACEUTICI S.P.A) 17 November 1988 (1988-11-17) the whole document -----	1-39
Y	FR 2 134 698 A5 (AMERICAN HOME PRODUCTS; AMERICAN HOME PRODUCTS,US) 8 December 1972 (1972-12-08) the whole document -----	1-39

INTERNATIONAL SEARCH REPORT

PCT/EP2004/010882

Patent document cited in search report		Publication date	Patent family member(s)	Publication date	
WO 0020420	A1	13-04-2000	ES 2142773 A1 AU 762724 B2 AU 6204199 A BG 105417 A BR 9914355 A CA 2346010 A1 CN 1322205 T CZ 20011257 A3 DE 19983612 T0 EA 3360 B1 EE 200100207 A EP 1120419 A1 GB 2359810 A ,B HR 20010256 A1 HU 0103937 A2 ID 29946 A JP 2002526544 T NO 20011778 A NZ 510855 A PL 347030 A1 TR 200100961 T2 US 2003225134 A1 US 2001051735 A1 ZA 200102836 A		16-04-2000 03-07-2003 26-04-2000 31-12-2001 26-06-2001 13-04-2000 14-11-2001 15-08-2001 27-09-2001 24-04-2003 17-06-2002 01-08-2001 05-09-2001 30-04-2002 28-02-2002 25-10-2001 20-08-2002 06-04-2001 27-02-2004 11-03-2002 21-02-2003 04-12-2003 13-12-2001 05-07-2002
EP 0530887	A1	10-03-1993	FR 2680173 A1 CA 2113922 A1 WO 9303037 A1 EP 0604459 A1 HU 70546 A2 JP 7500817 T MX 9204613 A1 US 5591758 A ZA 9205892 A	12-02-1993 18-02-1993 18-02-1993 06-07-1994 30-10-1995 26-01-1995 01-09-1993 07-01-1997 28-07-1993	
EP 0290885	A2	17-11-1988	IT 1204571 B JP 63297383 A US 4956384 A	10-03-1989 05-12-1988 11-09-1990	
FR 2134698	A5	08-12-1972	AU 465217 B2 AU 4149672 A CA 967164 A1 CH 576475 A5 DE 2221080 A1 DK 138182 B DK 138121 B GB 1356374 A NL 7205786 A SE 385895 B US 3886186 A ZA 7202868 A	18-09-1975 01-11-1973 06-05-1975 15-06-1976 09-11-1972 24-07-1978 17-07-1978 12-06-1974 31-10-1972 26-07-1976 27-05-1975 19-12-1973	